

Fig. 1 (a)

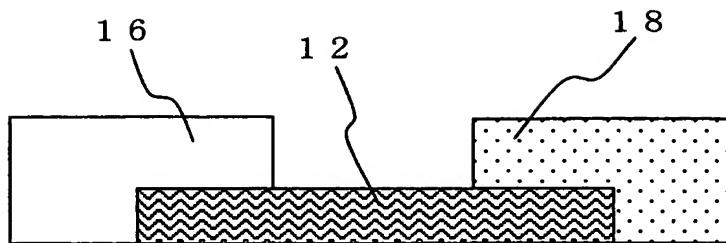


Fig. 1 (b)

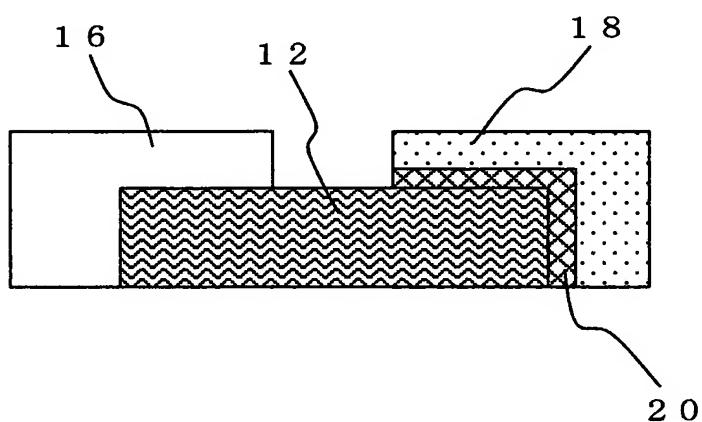


Fig. 1 (c)

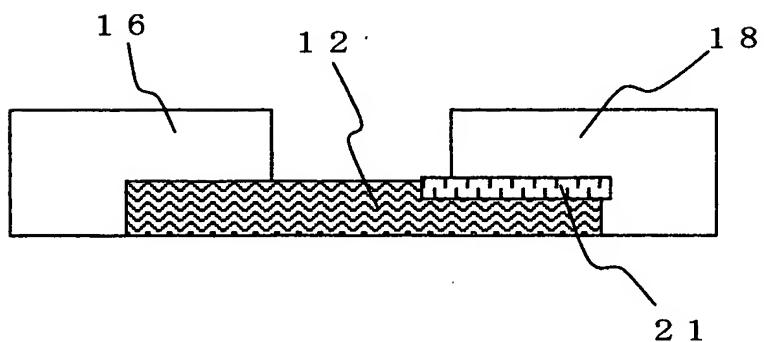


Fig. 2(a)

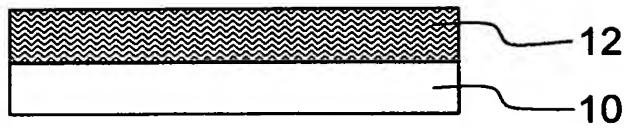


Fig. 2(b)

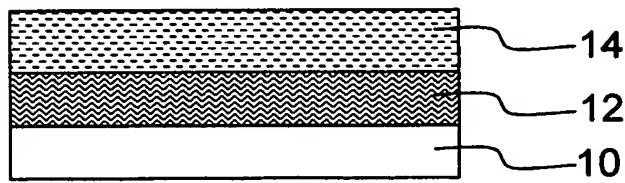


Fig. 2(c)

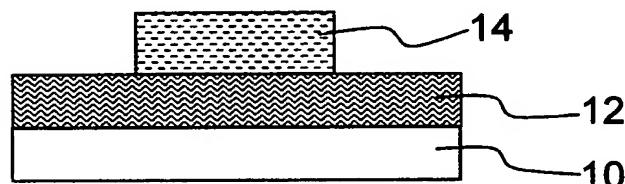


Fig. 2(d)

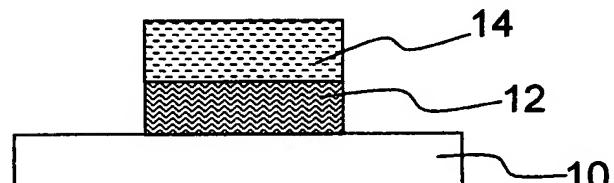


Fig. 2(e)

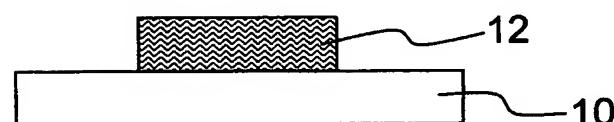
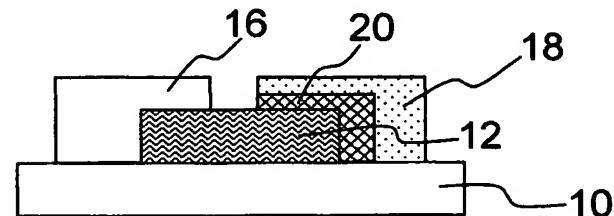
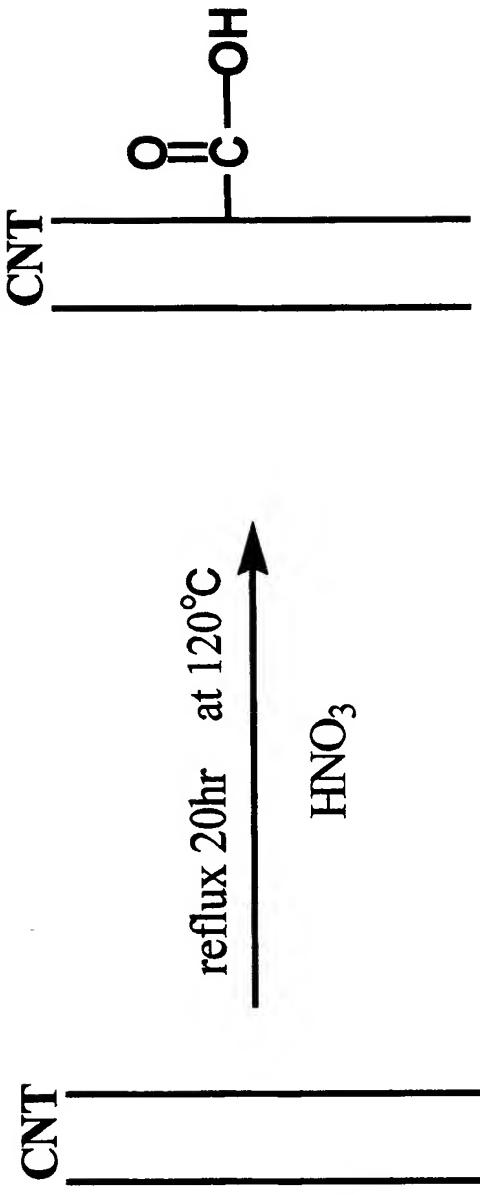


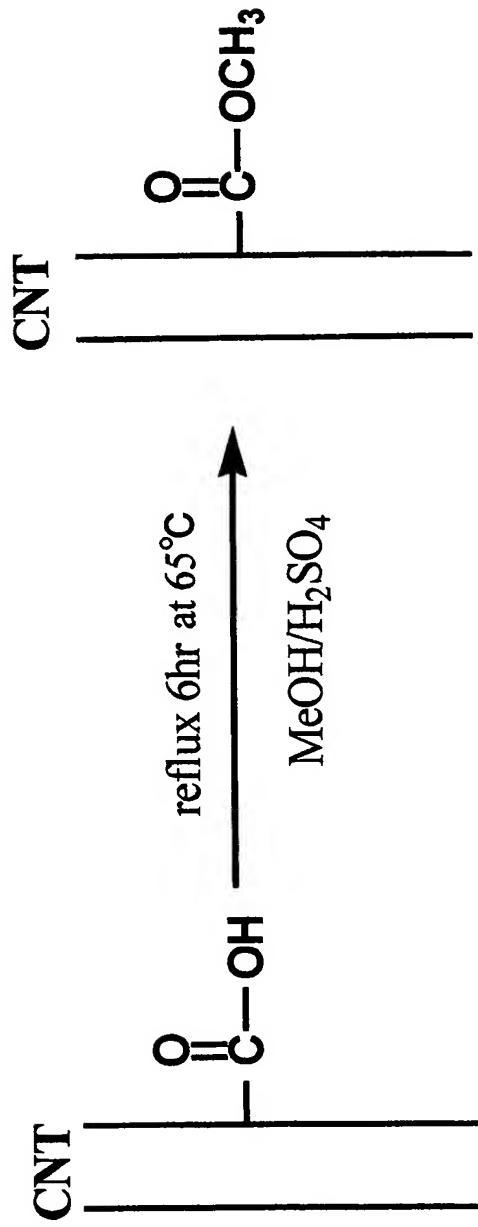
Fig. 2(f)





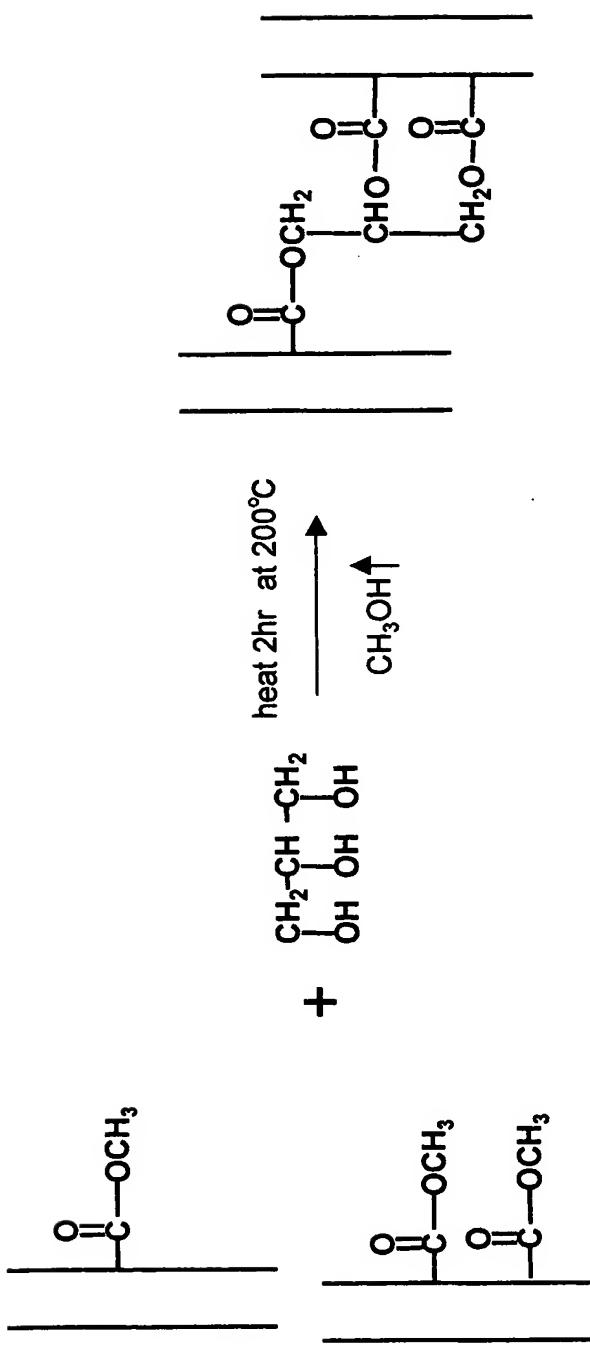
REACTION SCHEME FOR INTRODUCING CARBOXYL GROUP INTO CARBON NANOTUBE

Fig 3



REACTION SCHEME FOR METHYL ESTERIFICATION OF CARBON NANOTUBE CARBOXYLIC ACID

Fig 4



SCHEME FOR POLYMERIZATION REACTION BETWEEN CARBON NANOTUBE CARBOXYLIC ACID METHYL ESTER AND GLYCERIN THROUGH ESTER EXCHANG

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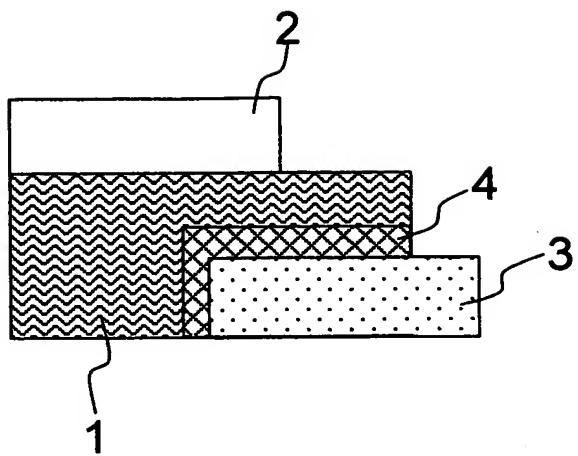


Fig. 6

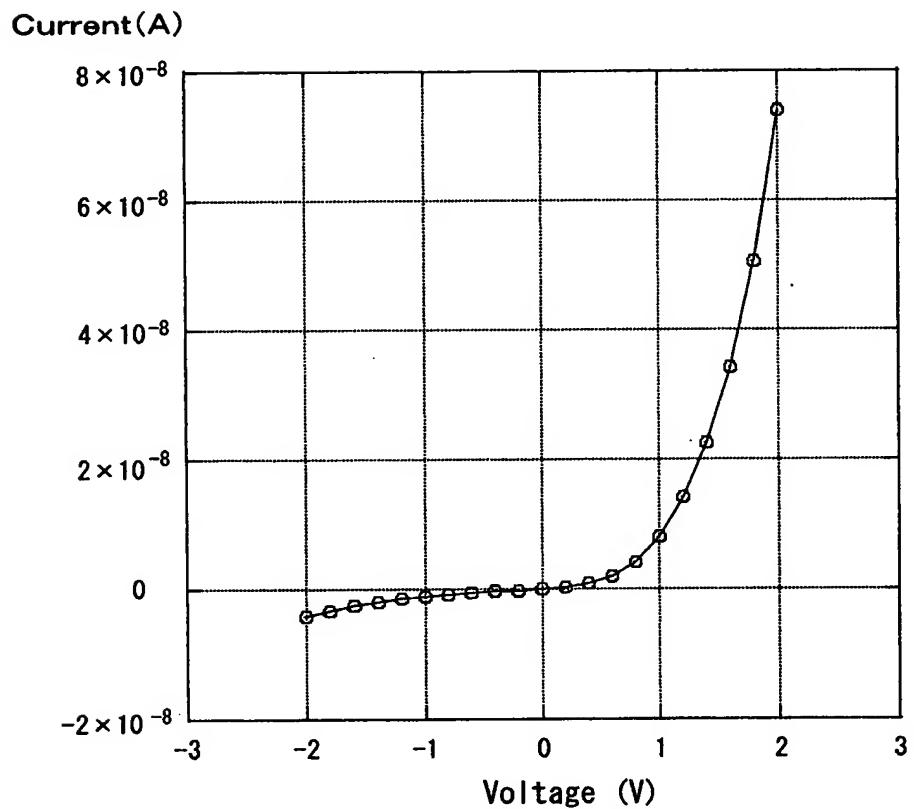


Fig. 7

Current (A)

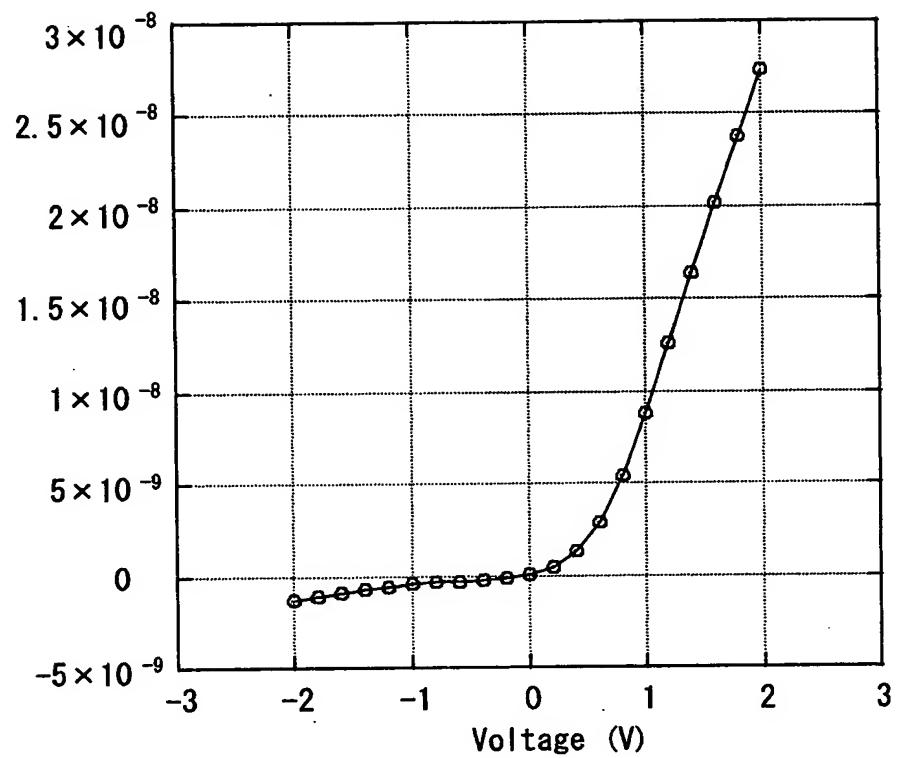


Fig. 8

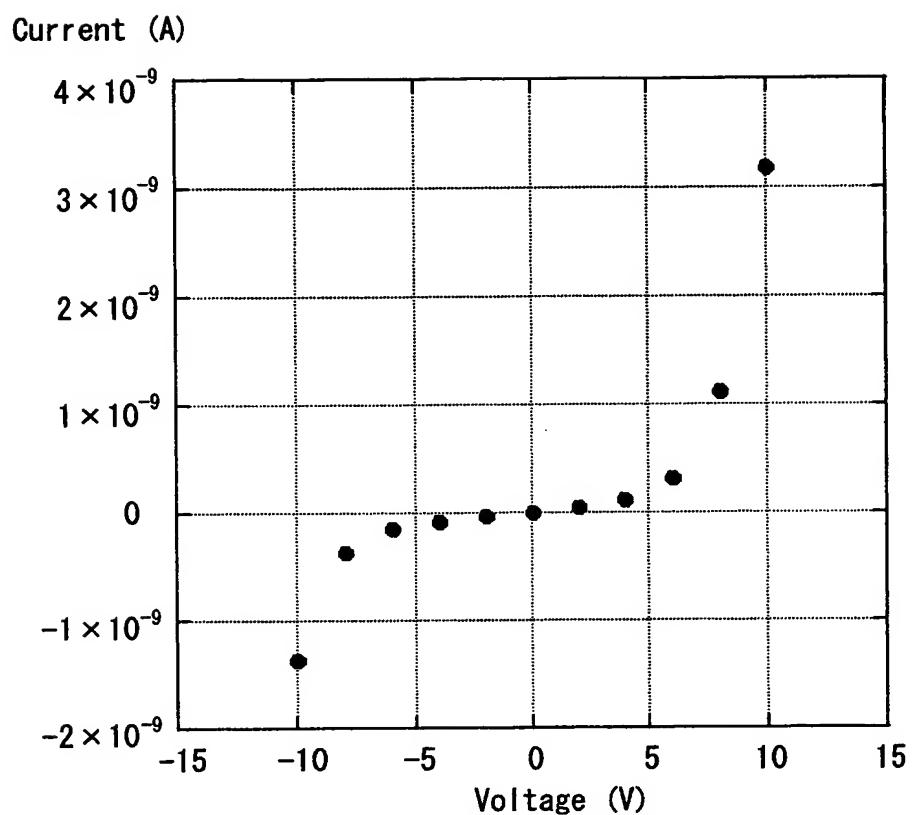


Fig. 9

